Personal Protective Technology Conformity Assessment Working Group Formation and Process

NIOSH PPT Conformity Assessment Public Meeting September 17, 2013

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Director, National Personal Protective Technology Laboratory

https://www.youtube .com/watch?v=lrl 6 h 55eo







NIOSH PPT Program Mission

An estimated 20 million workers use personal protective equipment on a regular basis to protect themselves from job hazards.









The MISSION of the PPT program is to prevent workrelated injury, illness and death by advancing the state of knowledge and application of personal protective technologies (PPT).

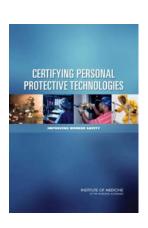




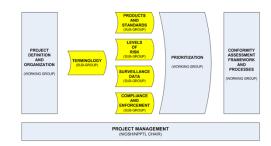


Presentation overview

PPT conformity assessment (CA) background



PPT CA Working Group Overview



PCAWG successes

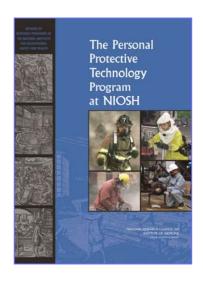








NIOSH Conformity Assessment Foundational Background



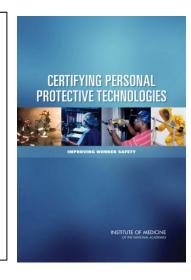
Implementation Plan in Response to the Evaluation by the National Academies of the Personal Protective Technology Program at NIOSH

Introduction

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The Mission of the PPT Cross Sector Program within NIOSH is to prevent work-related injury. illicos, and death by advancing the state of knowledge and application of personal protective technologies (PPT).

rigities, libesies, and fatalities among our maiors' workers. An estimated 20 million worker we FPF on a regarder bank to protect them from job hazards. PFF protective workers from doubt and disabling injuries and libesies resulting from exposures to hazardson advisorae particles, harmful chemicals, and excussive neight, beginning the manages of the provision resulting and free, improvements in personal protective technology are realized through better standards and regulations and subsequent available of PFFE complying with the new standards and regulations, worker throughout available of PFFE complying with the new standards and regulations, worker standards and regulations.



NIOSH Docket Number 237

PPT Conformity Assessment

NIOSII, NPFIL amousmed the availability of the PFT (Personal Productive Technologies) Confrol Assessment Decker, KIOSII Doblet 1252, and scliented input from interested parties. The deckert we established to provide interested parties the opportunity to provide input to the NIOSII, NPFIL extrategy to address the recommendations insules of incorrect acces to be just institute of reflections arranged to address the recommendation insules of incorrect acces to be just institute of reflections report focuses on the send for a consistent risk-based approach to PFT conformity assessment. The object was available utility 240 years (All comments with the assessed as part of the effect to address the conformation of the confo

ackground Information

Notice: 76 FR 28701: Notice of public comment period for review of JOM report "Certifying Per Protective Technologies: Improving Worker Safety"; November 2010, "L[PDF - 141 KB]

Improving Worker Sufety, 11/1/10 T.[PDF - 141 KB] Submissions from the Public

Submission to the docket from Weber (3M) - 7/1/11.

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Submission to the docket from Duffy Unternational Association of Firefighters (IAFF)1 = 7/3/11.

mission to the docket from Stull and Stull (International Personnel Protection, Inc.) -7/1/11.

NIOSH PPT Conformity Assessment Working Group (PCAWG) Strategy

DIRPOSE

The purpose of the PFT Combrently Assessment Working Group (herwafter Identified as the WIG) is to the propers a natural trainment adiabativing contraval, scholaring comprehensive and consistent process to address combrenity assessment of non-respiratory personal pratective equipment (PPE). The flamework and processes will derive the comprehens consessing to destiment confirming assessment requires for non-respiratory PPE across industry sections. The flamework and processes will provide the basis to olderative the appropriate lock IMCORD. Contempting the option to letter combust for the development of the DMCD including the option to letter combust for the development of the DMCD including the option to letter combust for the development of the DMCD including the option to letter combust for the development of the DMCD including the option to letter combust for the development of the DMCD including the option to letter combust for the development of the DMCD including the option to letter combust for the DMCD including the option to letter combust for the DMCD including the option to letter combust the DMCD including the option to letter combust the DMCD including the option to letter combust the DMCD including the option to letter the DMCD including the

The effect will be reviewment in the context of five central assessions:

- What is the basis for establishing a national framework to address the conformity assessment on conversionable (PRP). What are much will best hallong the private and sublin sector.
- interests in protecting the health and selety of the American worker?

 What implementation mechanisms and authorities must be used, enhanced, or developed to
- What implementation mechanisms and sumonties must be used, enhanced, or developed to ensure effective national conformity assessment implementation, coordination, and coordinate?
- What level of conformity assessment is necessary under various circumstances?
 Using a cost/benefit approach, what will the marketplace, particularly PPE purchaser
- end users, be realistically willing and able to support?

 What complementary activities could be undertaken to support the intended objectives (e

claims management, product labeling, global interoperability, field failure reporting, web based communications, etc.)?

OVERVIEW

The NOSH Nistonal Prescrial Productive Tourhousgy Laborators (NPPTL) was established in 2001 tells primary focus on primary souther safety and state through better prescription principles on the productive at has the responsibility to defer and armage NOSH+ PPTP response, with an Massivan or present version resident liquit, interest and death by submoring the saste of Insolvedges and application of PPT. PPT in this context is defend as the derivative restrict, processes, both principles, tooks, and materials that apport the development and use of personal profession explored (PPT) was not you'velow to the defend of development and use of personal profession explored (PPT) was not you'velow to the defend of development and use of personal profession explored (PPT) was not you'velow to the defend of the profession of the profession of the profession of the profession of the section of the profession of the prof

NPPTL has been developing, through a series of analyses by the National Academies [and its Institut Middline (OMI), an overall strategy to accomplish this mission. One of these enalyses sourced on conformity assessment of occupational PPTL in November 2010 the IOM concluded its study on this issue and outbished its secont. Contriving Personal Protective Technologies: Intercritical Worker Salety.

June 2008

NA
PPT Program
Evaluation Report:
Five
Recommendations

May 2010

PPT Program's
Action Plan to
Implement
Recommendations

February 2011

IOM's Analysis of NA Report Recommendation 1: Comprehensive CA Program May 2011

NIOSH Docket # 237 Public Comment on IOM CA Report October 2011

NIOSH
PPT Conformity
Assessment
Working Group
Established



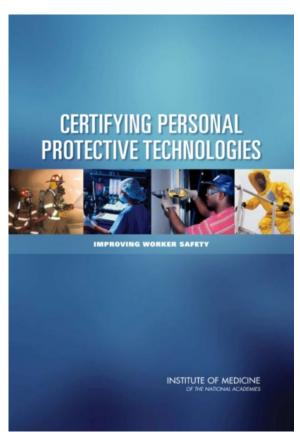




"Conformity assessment is key to ensuring that the products we purchase are effective and perform to specifications..."

"[NIOSH] should work with [stakeholders] to develop, implement, and support conformity assessment processes for non-respirator PPT.

CA processes should be commensurate with the level of risk that could result from failure of the PPT to protect the user from workplace hazards."









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Meeting Objectives

- Report PCAWG process and findings
- Discuss a NIOSH draft framework scope
- Initiate a public dialogue in defining a national PPT CA framework





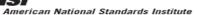


Over 30 PCAWG Members and Consultants

















UNIVERSITY of MARYLAND SCHOOL OF MEDICINE

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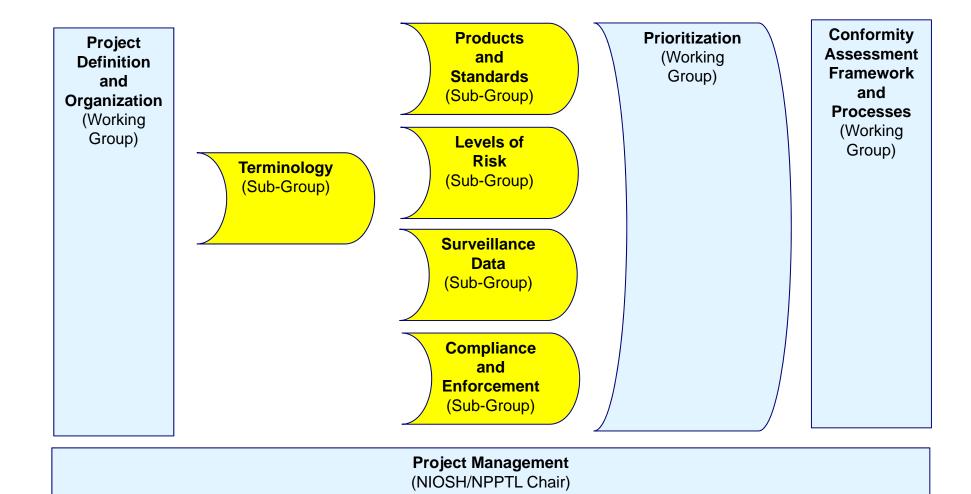
RESEARCH AND TRAINING







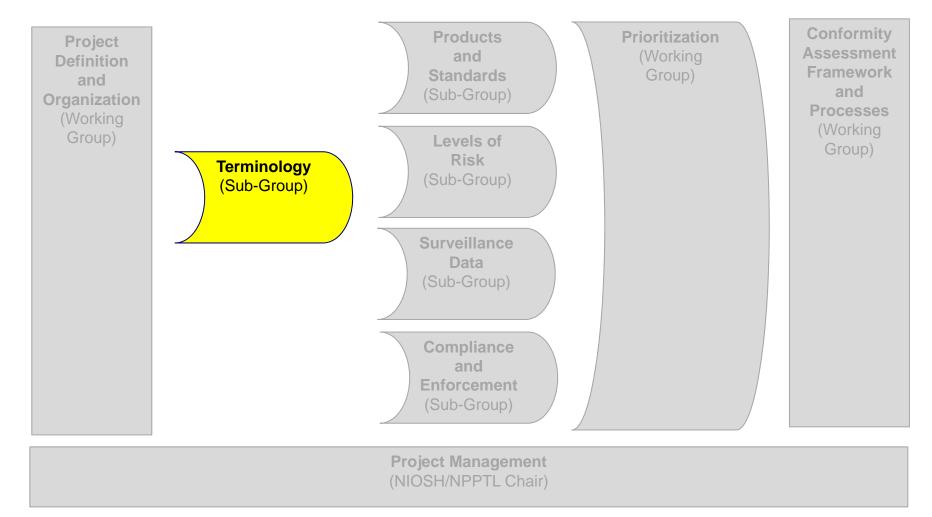








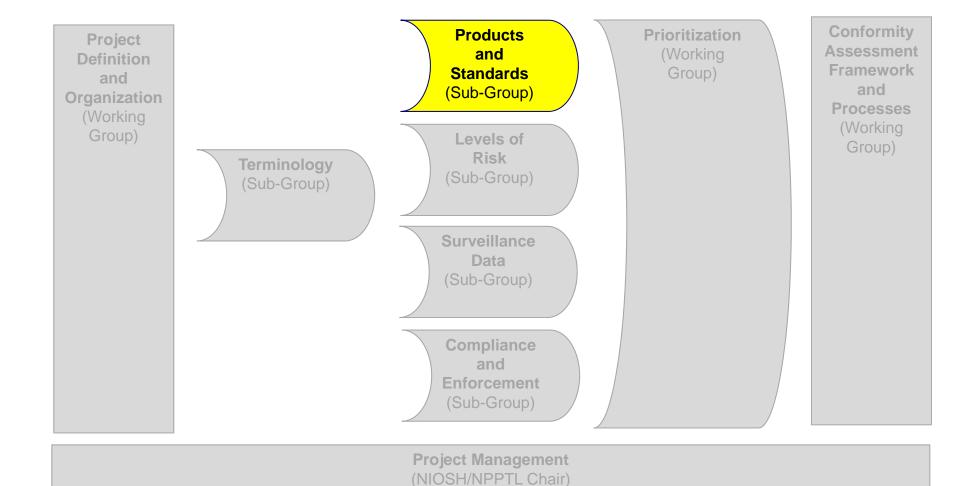








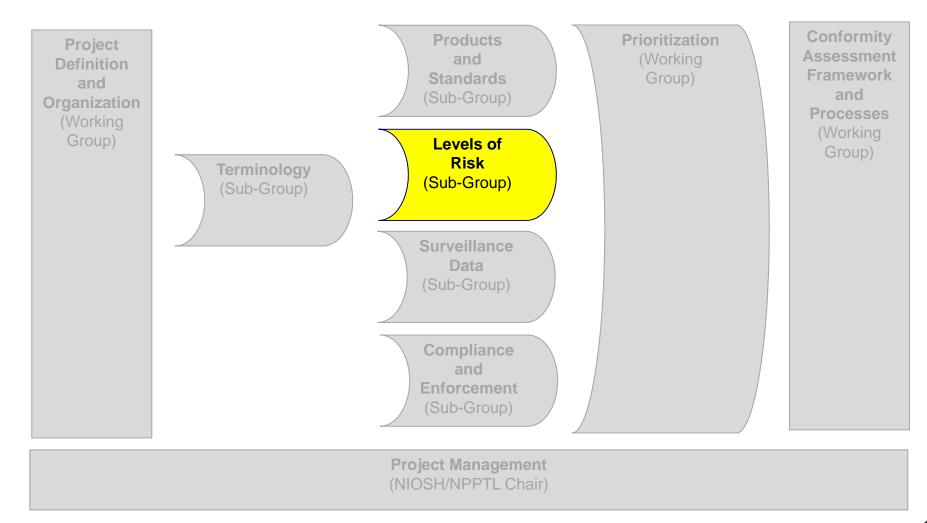






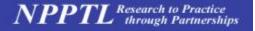


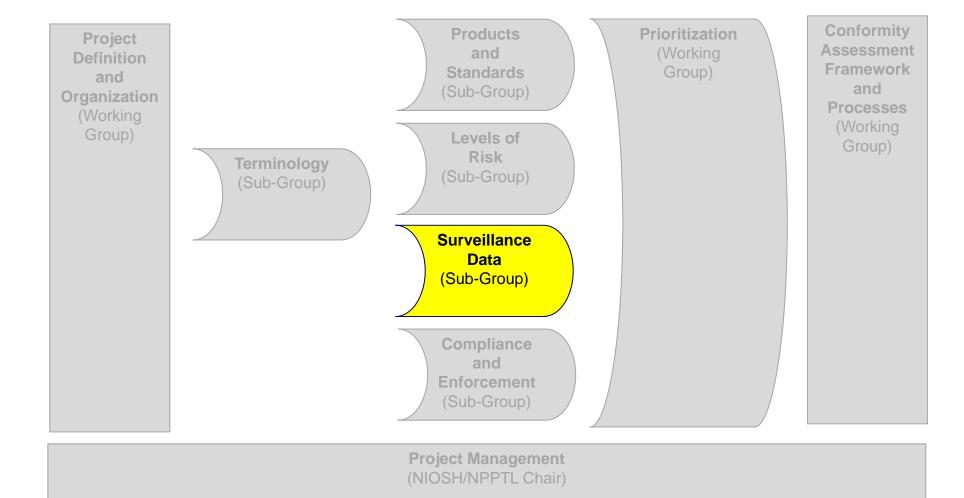








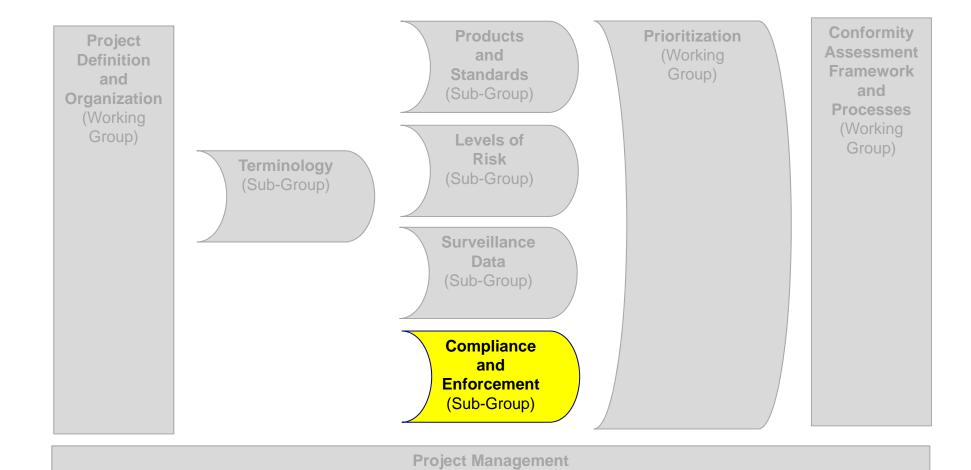










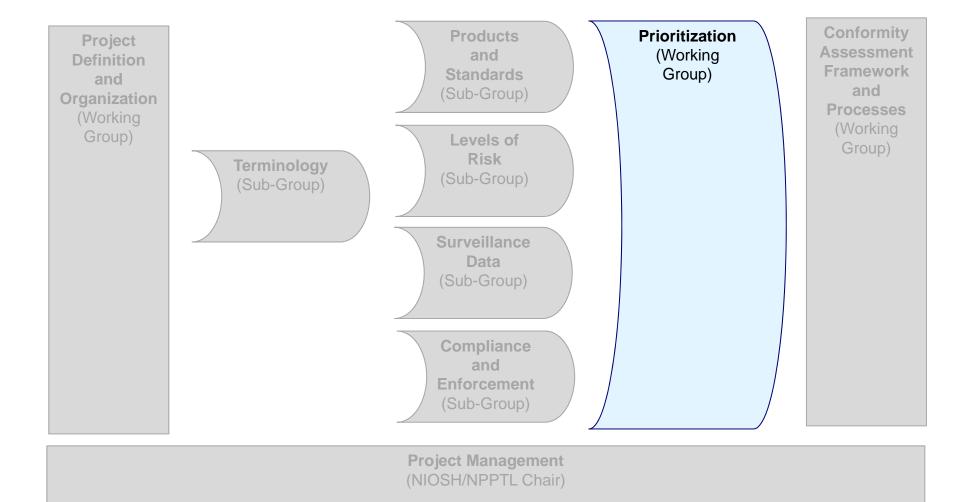






(NIOSH/NPPTL Chair)











Products and standards database incorporate useful data fields

Organizatio	Designation	Title	Year	Hazard Type	Industry	Standard Type	PPE Type	5
ANSI/ISEA	ANSI/ISEA 103	Classification and Performance Requirements for Chemical Protective Clothing	2010	chemical			Chemical safety clothing	
ANSI/ISEA	ANSI/ISEA 107	High visibility safety apparel and headwear	2010	physical			Visibility warning clothing	
ANSI/ISEA	ANSI/ISEA 110	Air Purifying Respiratory Protective Smoke Escape Devices	2009	che m ical			Escape respirators	
ANSI/ISEA	ANSI/ISEA 207	High-Visibility Public Safety Vests	2011	physical			Visibility warning clothing	
ANSI/ISEA	ANSI/ISEA Z87.1	Occupational and educational personal eye and face protection	2010	che m ical	General Industry	Test Method	Spectacles, faceshields, goggles, welding helmets	
ANSI/ISEA	ANSI/ISEA Z89.1	Industrial head protection	2009	physical			Industrial he Imets	

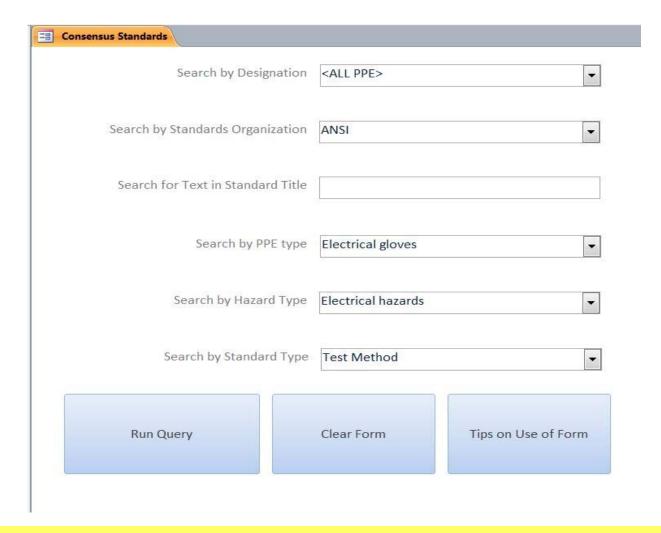
Sample Report in which ANSI/ISEA records were queried







A strength of the prototype database is the ability to search for records using a variety of criteria









A beta version of the Products and Standards Database is being developed

Background



The PPT Conformity Assessment Working Group (PCAWG) was established in 2011 by the National Personal Protective Technology Laboratory (NPPTL) of the National Institute for Occupational Safety and Health (NIOSH).

Among other tasks, the PCAWG was charged to develop an inventory of product and performance standards for PPE. To accomplish these goals, subgroup members researched current OSHA regulations, PPE performance standards, and PPE testing standards, which were subsequently integrated into an interactive, searchable, prototype Microsoft Access database.

Your input is valuable!

NPPTL values your feedback and ideas regarding this database:

- Who are potential users? What are potential uses?
- Who should be responsible for updating and maintenance?
- What format is most useful (i.e. searchable, online, downloadable)?
- How should the database be marketed to ensure its use?
- How can information regarding suppliers of applicable PPE be incorporated into the database?
- Would you be willing to participate in a focus group? If so, please contact John Sporrer listed below.

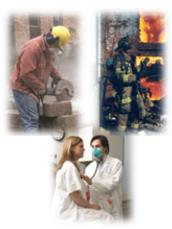
For more information or to provide feedback contact:

John Sporrer eyi0@cdc.gov 412-386-6435



Prototype PPE Standards Database

Prototype database for personal protective equipment (PPE) standards



For workers using PPE, it is important to understand if your equipment conforms to the right standards.

We are looking for input as we create a database to clarify these standards to make that task easier.







NIOSH is moving toward more structured postmarket activities and results dissemination

- Develop a consist policy regarding what data to collect
- Recommend database format and analysis approach
- Determine approach for disseminating information
- Post market working group established
 - Internal NIOSH and FDA, CPSC, UL, NIST
 - November 5, 2013 meeting in Pittsburgh



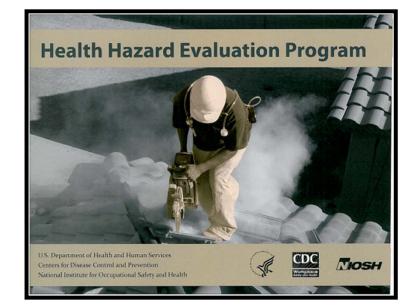




NIOSH Health Hazard Evaluation (HHE) Program can serve as a model to develop a "PPE HHE"

- "10-day" Letter after 1st site visit
- Employee notification letters
 - personal monitoring results
- Interim Report, as needed
- Final Report
- Post final report documents:
 - Scientific manuscripts, MMWR articles, presentations, NIOSH blog, HHE Facebook page, NIOSH numbered documents, and trade magazines

Can search thousands of HHE reports at: http://www.cdc.gov/niosh/hhe/







NPPTL is shifting focus to continue to improve PPT leadership by

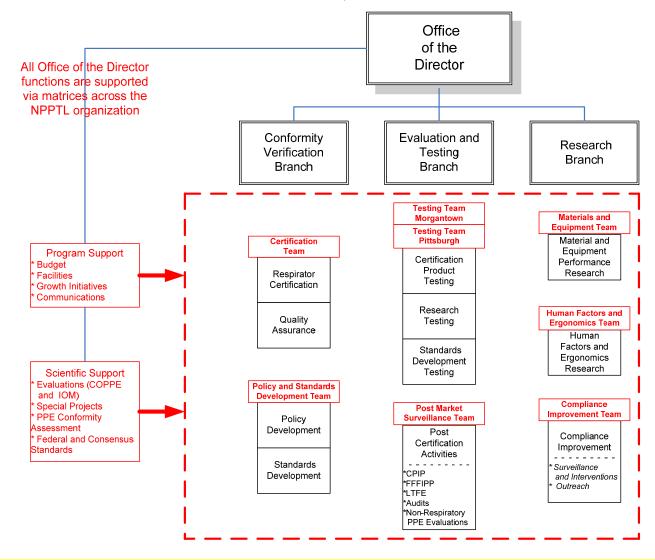
- most effectively leveraging our laboratory resources,
- leading respiratory and non-respiratory conformity assessment activities,
- emphasizing PPE compliance improvement.







NPPTL
Proposed Realignment and Assignment of Functional Responsibilities
March 20, 2013

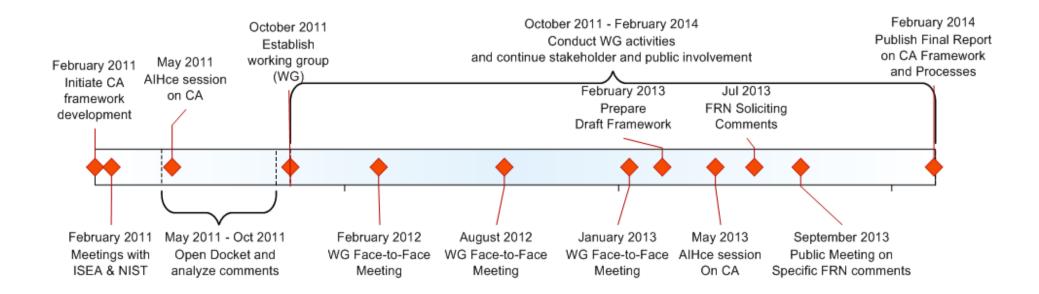








NIOSH will continue to work with the PCAWG and all partners to refine the PPT CA Framework









Quality Partnerships Enhance Worker Safety & Health









Visit Us at: http://www.cdc.gov/niosh/npptl/

Disclaimer:

The findings and conclusions in this presentation have not been formally disseminated by the National Institute for Occupational Safety and Health and should not be construed to represent any agency determination or policy.

Thank you!





